



P-2762-US3 8NOV04 GL.ST25.txt  
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GTx, INC.

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<140> 10/807,517  
<141> 2004-03-24

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<170> PatentIn version 3.3

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Gly Ser Gly Phe Lys Val Val Val Gly Ser Arg Asn Pro Lys Arg Thr  
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Ala Arg Leu Phe Pro Ser Ala Ala Gln Val Thr Phe Gln Glu Glu Ala  
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Val Ser Ser Pro Glu Val Ile Phe Val Ala Val Phe Arg Glu His Tyr  
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Asp Val Ser Asn Pro Thr Glu Gln Glu His Leu Gln His Arg Glu Ser  
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Asn Ala Glu Tyr Leu Ala Ser Leu Phe Pro Thr Cys Thr Val Val Lys  
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Ala Phe Asn Val Ile Ser Ala Trp Thr Leu Gln Ala Gly Pro Arg Asp  
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Gly Asn Gly Gln Val Pro Ile Cys Gly Asp Gln Pro Glu Ala Lys Arg  
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P-2762-US3 8NOV04 GL.ST25.txt

Ala Val Ser Glu Met Ala Leu Ala Met Gly Phe Met Pro Val Asp Met  
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Cys Phe Tyr Ala Tyr Asn Phe Val Arg Asp Val Leu Gln Pro Tyr Val  
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Gln Glu Ser Gln Asn Lys Phe Phe Lys Leu Pro Val Ser Val Val Asn  
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Thr Thr Leu Pro Cys Val Ala Tyr Val Leu Leu Ser Leu Val Tyr Leu  
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Pro Gly Val Leu Ala Ala Leu Gln Leu Arg Arg Gly Thr Lys Tyr  
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Gln Arg Phe Pro Asp Trp Leu Asp His Trp Leu Gln His Arg Lys Gln  
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Ile Gly Leu Leu Ser Phe Phe Cys Ala Ala Leu His Ala Leu Tyr Ser  
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Phe Cys Leu Pro Leu Arg Arg Ala His Arg Tyr Asp Leu Val Asn Leu  
325 330 335

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340 345 350

Val Trp Arg Met Glu Ile Tyr Leu Ser Leu Gly Val Leu Ala Leu Gly  
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Leu Asn Trp Arg Glu Phe Ser Phe Val Gln Ser Ser Leu Gly Phe Val  
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Ala Phe Glu Glu Ser Arg Tyr Lys Phe Tyr Leu Pro Pro Thr Phe Thr  
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Leu Thr Leu Leu Val Pro Cys Val Val Ile Leu Ala Lys Ala Leu Phe  
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P-2762-US3 8NOV04 GL.ST25.txt

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P-2762-US3 8NOV04 GL.ST25.txt

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Gly Ser Gly Phe Lys Val Val Val Gly Ser Arg Asn Pro Lys Arg Thr  
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Ala Arg Leu Phe Pro Ser Ala Ala Gln Val Thr Phe Gln Glu Glu Ala  
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Val Ser Ser Pro Glu Val Ile Phe Val Ala Val Phe Arg Glu His Tyr  
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Ser Ser Leu Cys Ser Leu Ser Asp Gln Leu Ala Gly Lys Ile Leu Val  
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Asp Val Ser Asn Pro Thr Glu Gln Glu His Leu Gln His Arg Glu Ser  
 115 120 125

Asn Ala Glu Tyr Leu Ala Ser Leu Phe Pro Thr Cys Thr Val Val Lys  
 130 135 140

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 145 150 155 160

Gly Asn Gly Gln Val Pro Ile Cys Gly Asp Gln Pro Glu Ala Lys Arg  
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Ala Val Ser Glu Met Ala Leu Ala Met Gly Phe Met Pro Val Asp Met  
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Gly Ser Leu Ala Ser Ala Trp Glu Val Glu Ala Met Pro Leu Arg Leu  
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Leu Pro Ala Trp Lys Val Pro Thr Leu Leu Ala Leu Gly Leu Phe Val  
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Cys Phe Tyr Ala Tyr Asn Phe Val Arg Asp Val Leu Gln Pro Tyr Val  
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Gln Glu Ser Gln Asn Lys Phe Phe Lys Leu Pro Val Ser Val Val Asn  
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Thr Thr Leu Pro Cys Val Ala Tyr Val Leu Leu Ser Leu Val Tyr Leu  
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Pro Gly Val Leu Ala Ala Ala Leu Gln Leu Arg Arg Gly Thr Lys Tyr  
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Gln Arg Phe Pro Asp Trp Leu Asp His Trp Leu Gln His Arg Lys Gln  
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Ile Gly Leu Leu Ser Phe Phe Cys Ala Ala Leu His Ala Leu Tyr Ser  
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Phe Cys Leu Pro Leu Arg Arg Ala His Arg Tyr Asp Leu Val Asn Leu  
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Ala Val Lys Gln Val Leu Ala Asn Lys Ser His Leu Trp Val Glu Glu  
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 355 360 365

Thr Leu Ser Leu Leu Ala Val Thr Ser Leu Pro Ser Ile Ala Asn Ser  
 370 375 380

Leu Asn Trp Arg Glu Phe Ser Phe Val Gln Cys Val Ala Thr Ser Ser  
 385 390 395 400

Ala Gly Asn Thr Gly Ser Gly Thr Arg Arg Pro Glu Ser Gln Ser Gln  
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Asp Pro His Leu Pro Ala Pro His His Gln Thr Ser Phe Leu Gly Pro  
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P-2762-US3 8NOV04 GL.ST25.txt

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Gly Ser Gly Phe Phe Val Val Val Gly Ser Arg Asn Pro Lys Arg Thr  
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Ala Gly Leu Phe Pro Ser Leu Ala Gln Val Thr Phe Gln Glu Glu Ala  
 65 70 75 80

P-2762-US3 8NOV04 GL.ST25.txt

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Ser Ser Leu Cys Ser Leu Ala Asp Gln Leu Ala Gly Lys Ile Leu Val  
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Asp Val Ser Asn Pro Thr Glu Lys Glu Arg Leu Gln His Arg Gln Ser  
115 120 125

Asn Ala Glu Tyr Leu Ala Ser Leu Phe Pro Ala Cys Thr Val Val Lys  
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Ala Phe Asn Val Ile Ser Ala Trp Ala Leu Gln Ala Gly Pro Arg Asp  
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Gly Asn Arg Gln Val Leu Ile Cys Gly Asp Gln Leu Glu Ala Lys His  
165 170 175

Thr Val Ser Glu Met Ala Arg Ala Met Gly Phe Thr Pro Leu Asp Met  
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Gly Ser Leu Ala Ser Ala Arg Glu Val Glu Ala Ile Pro Leu Arg Leu  
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Leu Pro Ser Trp Lys Val Pro Thr Leu Leu Ala Leu Gly Leu Ser Thr  
210 215 220

Gln Ser Tyr Ala Tyr Asn Phe Ile Arg Asp Val Leu Gln Pro Tyr Ile  
225 230 235 240

Arg Lys Asp Glu Asn Lys Phe Tyr Lys Met Pro Leu Ser Val Val Asn  
245 250 255

Thr Thr Ile Pro Cys Val Ala Tyr Val Leu Leu Ser Leu Val Tyr Leu  
260 265 270

Pro Gly Val Leu Ala Ala Ala Leu Gln Leu Arg Arg Gly Thr Lys Tyr  
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Gln Arg Pro Asp Trp Leu Asp His Trp Leu Gln His Arg Lys Gln Ile  
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Gly Leu Leu Ser Phe Phe Ala Met Leu His Ala Leu Tyr Ser Phe  
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Cys Leu Pro Leu Arg Arg Ser His Arg Tyr Asp Leu Val Asn Leu Ala  
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Val Lys Gln Val Leu Ala Asn Lys Ser Arg Leu Trp Val Glu Glu Glu  
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P-2762-US3 8NOV04 GL.ST25.txt

Val Trp Arg Met Glu Ile Tyr Leu Ser Leu Gly Val Leu Ala Leu Gly  
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Leu Asn Trp Lys Glu Phe Ser Phe Val Gln Ser Thr Leu Gly Phe Val  
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Ala Leu Met Leu Ser Thr Met His Thr Leu Thr Tyr Gly Trp Thr Arg  
405 410 415

Ala Phe Glu Glu Asn His Tyr Lys Phe Tyr Leu Pro Pro Thr Phe Thr  
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Leu Thr Leu Leu Leu Pro Cys Val Ile Ile Leu Ala Lys Gly Leu Phe  
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Leu Leu Pro Cys Leu Ser His Arg Leu Thr Lys Ile Arg Arg Gly Trp  
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Gly Glu Lys Thr Ser His Val  
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P-2762-US3 8NOV04 GL.ST25.txt

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P-2762-US3 8NOV04 GL.ST25.txt

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P-2762-US3 8NOV04 GL.ST25.txt

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P-2762-US3 8NOV04 GL.ST25.txt

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P-2762-US3 8NOV04 GL.ST25.txt

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P-2762-US3 8NOV04 GL.ST25.txt

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P-2762-US3 8NOV04 GL.ST25.txt

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P-2762-US3 8NOV04 GL.ST25.txt

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